



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.1302
Job Sheet 187425



Part No: 647.1302

Job Qty: 1 ea

Part Name: EC145 Cable Cutter Removable Provisions



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/4/18

Job Tracking No:

Due Date: 12/14/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: 647.1302 REV E IPP REV:A 12.10.05 NEW ISSUE DD VERF:JLM IPP REV:B 13.07.17 AS PER REV B JLM
VERIFIED BY:DD IPP REV:C 15.07.08 AS PER REV D DD VERIFIED BY:JLM IPP REV:D 18.05.02 AS PER
REV:E JFS VERIFIED BY:DD

Ship Via:

6858

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	12/14/18	12/14/18	0.00	0.00	Start Up Stores/Pkg-2	9-18	DAS DEC 04 2018
110	Packaging	1 pcs	12/14/18	12/14/18	0.00	0.00	Packaging1-1	9-18	DAS DEC 05 2018
120	QC	1 pcs	12/14/18	12/14/18	0.00	0.00	QC4	9-18	DAS DEC 05 2018
125	DC	1 pcs	12/14/18	12/14/18	0.00	0.00	DC	9-18	DAS DEC 05 2018
130	Packaging	1 pcs	12/14/18	12/14/18	0.00	0.00	Packaging3-1	9-18	DAS DEC 05 2018
140	QC21-SA	1 Ea	12/14/18	12/14/18	0.00	0.00	QC21	9-18	DAS DEC 05 2018

Part Op 125 - Photocopy bluefile & type labels per PPP 647.1302

Descriptions: 130 - Identify and pack for shipping as per PPP 647.1302 Location: _____



Container No: S134753

Part: 647.1302

Job No: 187425

Serial No/Batch: S134753

Revision: E

Inspector:

Exp Date:

Instructions:

FAA STC SR02290LA 16/06/14

TC LoA RI

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

11

DEC 3 2 50 PM '58
APR 20 1958
DEC 3 2 50 PM '58

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	90-Start up Operation	
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	90-Start up Operation	
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	5132228
601.2045	RTV (LOCTITE 598)	1 Ea (1 ea)	90-Start up Operation	5032748
601.2375	Washer 90965A160	3 Ea (3 ea)	90-Start up Operation	5162289
601.2999	Screw	3 pcs (3 ea)	90-Start up Operation	5049458
647.0112	Strut Bracket	8 Ea (8 ea)	90-Start up Operation	5091197
647.1401	Upper Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5125388
647.1402	Lower Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5130528
647.1601	Wiper Deflector Aft	1 Ea (1 ea)	90-Start up Operation	5122734
647.1610	Wiper Deflector Fwd	1 Ea (1 ea)	90-Start up Operation	5049887
647.1701	Skid Deflector Assembly	2 Ea (2 ea)	90-Start up Operation	5126189
647.2010	Upper Strut	2 Ea (2 ea)	90-Start up Operation	5091197
647.2011	Lower Strut	2 Ea (2 ea)	90-Start up Operation	5120021
647.2110	Lower Rail	1 Ea (1 ea)	90-Start up Operation	5125022-50
AN3-11A	Bolt	16 Ea (16 ea)	90-Start up Operation	5098034
AN3C10A	Bolt	2 Ea (2 ea)	90-Start up Operation	50173231
MS21042-08	Use Ms21042L08	8 Ea (8 ea)	90-Start up Operation	5100407
MS21042-3	Nut	18 Ea (18 ea)	90-Start up Operation	5094598
MS21042L4	Nut	4 Ea (4 ea)	90-Start up Operation	5107736
MS27039-08-10	Screw	4 Ea (4 ea)	90-Start up Operation	51028799-50
MS27039-08-13	Screw	4 Ea (4 ea)	90-Start up Operation	5016008
MS27039-1-14	Screw	4 Ea (4 ea)	90-Start up Operation	5120449-40
NAS1149F0332P	Washer	40 Ea (40 ea)	90-Start up Operation	5181201
NAS1149F0432P	Washer	8 Ea (8 ea)	90-Start up Operation	5123456
NAS1149FN832P	Washer	16 Ea (16 ea)	90-Start up Operation	5107796
NAS6604-66	Bolt	4 Ea (4 ea)	90-Start up Operation	5122089

Exp 5/19
Exp 12/19

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.0990	1	0	0
	600.0991	1	0	0
	600.1012	1	37	0
	601.2045	1	18	0
	601.2375	3	84	0
	601.2999	3	37	0
	647.0112	8	109	0
	647.1401	1	1	0
	647.1402	1	3	0
	647.1601	1	21	0
	647.1610	1	47	0
	647.1701	2	4	0
	647.2010	2	34	0
	647.2011	2	8	0
	647.2110	1	10	0
	AN3-11A	16	237	0
	AN3C10A	2	54	0
	MS21042-08	8	1	0
	MS21042-3	18	151	0
	MS21042L4	4	2,962	0
	MS27039-08-10	4	249	0
	MS27039-08-13	4	546	0
	MS27039-1-14	4	375	0
	NAS1149F0332P	40	2,528	0
	NAS1149F0432P	8	1,378	0
	NAS1149FN832P	16	1,335	0
	NAS6604-66	4	10	0

Part Specifications

Specifications could not be found.

647.1302

Linda Lacelle

Wed 2018-12-05 9:22 AM

To: Sonia Quirion <squirion@dartaero.com>; Shipping <shipping@dartaero.com>;

Cc: Jason Leroux <jleroux@dartaero.com>; Ashley Beecraft <abeecraft@dartaero.com>;

Svp, enlever le 600.0990/0991, le client va le prendre sans magnobond (customer will take without magnobond)

Shipping, pls inspect to ship latest tomorrow...let me know when done, so I can release the order

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REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

	4	4		4	4		4	4	51	601.3209	LOCKNUT	MS21042L4	
1	4	5	1	4	5	1	8	9	50	601.2973	LOCKNUT	MS21042-08	
27	19	46	27	19	46	27	18	45	49	601.2943	LOCKNUT	MS21042-3	
	3	3		3	3		3	3	48	601.2375	WASHER		
2	8	10	2	8	10	2	16	18	47	601.2764	WASHER	NAS1149FN832P	
62	42	104	62	42	104	62	40	102	46	601.1607	WASHER	NAS1149F0332P	
1		1	1		1	1		1	45	601.2525	SCREW	MS27039-0807	
4		4	4		4	4		4	44	601.1952	SCREW	MS27039-1-20	
							4	4	43	601.3010	SCREW	MS27039-0810	
	4	4		4	4		4	4	42	601.2988	SCREW	MS27039-0813	
6		6	6		6	6		6	41	601.1365	SCREW	MS27039-1-10	
3		3	3		3	3		3	40	601.2198	SCREW	MS27039-1-07	
	3	3		3	3		3	3	39	601.2999	SCREW		
18		18	18		18	18		18	38	601.2459	SCREW	MS27039C1-06	
	4	4		4	4		4	4	37	601.1622	SCREW	MS27039-1-14	
10		10	10		10	10		10	36	601.2051	SCREW	MS24694C52	
2		2	2		2	2		2	35	601.2823	BOLT	AN3-4A	
1		1	1		1	1		1	34	601.1324	BOLT	AN4CH6A	
	2	2		2	2		2	2	33	601.1874	BOLT	AN3C10A	
	12	12		12	12		16	16	32	601.2826	BOLT	AN3-11A	
	8	8		8	8		8	8	31	601.2638	WASHER	NAS1149F0432P	
	4	4		4	4		4	4	30	601.3002	BOLT	NAS6604-66	
2		2	2		2	2		2	29	647.1811	SPACER		
4		4	4		4	4		4	28	647.2511	NUT		
4		4	4		4	4		4	27	647.2510	SLEEVE		
13		13	13		13	13		13	26	647.1812	SHIM		
4		4	4		4	4		4	25	647.1910	CLIP		
1		1	1		1	1		1	24	647.1810	NOSE DOOR DOUBLER		
1		1	1		1	1		1	23	647.1818	NOSE DOOR SPACER		
2		2	2		2	2		2	22	647.1813	ANGLE		
1		1	1		1	1		1	21	647.1913	TEE		
1		1	1		1	1		1	20	647.1814	GUSSET, LH		
1		1	1		1	1		1	19	647.1815	GUSSET, RH		
1		1	1		1	1		1	18	647.1915	SUPPORT ANGLE		
	2	2		2	2		2	2	17	647.2011	LOWER STRUT		
1		1	1		1	1		1	16	647.1914	BRACKET		
1		1	1		1	1		1	15	647.1816	SUPPORT, LH		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

REFERENCE ONLY

ORIGINAL DATE 07/06/09		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY K. ROSARIO		CHECKER D. BARKER	
DRAWING APPROVAL P. BRAVO 08/05/09		APPROVAL J. DART AEROSPACE	
CONTRACT NO.		EC145 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		SHEET B 07MZ6	REV. E
DWG. NO. 647.1300		SCALE NONE SHEET 2 OF 10	

1 2 3 4 5 6 7 8

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NOTES: UNLESS OTHERWISE SPECIFIED

1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES

2. APPLY F/N 74 TO FAYING SURFACES

3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1

4 INSTALL FOR 647.1301, 647.1302.

5 INSTALL FOR 647.1304, 647.1305.

6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.

7 APPLICABLE WHEN REPLACING EUROCOPTER P/N 145-250074.11

8 INSTALL WITH:
647.1304
647.1305
647.1307
647.1308

REFERENCE ONLY

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
LAST PROTOTYPE REVISION: P03			
NIC	INITIAL RELEASE	08/05/09	NIC
A	INCORPORATED ECH 02943, 03020, 03048	01/25/11	P. BRAVO
B	INCORPORATED ECH 03919	07/05/13	P. BRAVO
C	INCORPORATED ECH 04009	08/13/13	P. BRAVO
D	INCORPORATED ECH'S 04485, 045921 & 04976	04/17/15	P. BRAVO
E	INCORPORATED ECH 05950	03/30/18	P. BRAVO

1		1	1		1	1		1	14	647.1817	SUPPORT, RH		
1		1	1		1	1		1	13	647.1912	BRACKET, LH		
1		1	1		1	1		1	12	647.1911	BRACKET, RH		
	8	8		8	8			8	11	647.0112	STRUT BRACKET		
								1	10	647.2110	LOWER RAIL		
								1	9	647.2111	UPPER RAIL		
	1	1		1	1			1	8	647.1610	WIPER DEFLECTOR, FWD		
	1	1		1	1			1	7	647.1601	WIPER DEFLECTOR ASSY, AFT		
								2	6	647.1701	SKID DEFLECTOR ASSY		
1		1	1		1	1		1	5	647.3201	GROUNDING CABLE ASSY		
1		1	1		1	1		1	4	647.2201	CROSS ASSY		
1		1	1		1	1		1	3	647.1602	DOUBLER ASSY		
	1	1		1	1			1	2	647.1402	CUTTER ASSY (LOWER)		
								1	1	647.1401	CUTTER ASSY (UPPER)		
X										647.1309	EC145 T2 FIXED PROVISIONS KIT		
	X									647.1308	EC145 T2 REMOVABLE PROVISIONS KIT		
		X								647.1307	EC145T2 CABLE CUTTERS KIT		
			X							647.1306	FIXED PROVISIONS KIT U CHANNEL		
				X						647.1305	REMOVABLE PROVISIONS KIT U CHANNEL		6
					X					647.1304	EC145 CABLE CUTTERS KIT U CHANNEL COMPATIBLE		6
						X				647.1303	FIXED PROVISIONS KIT		
							X			647.1302	REMOVABLE PROVISIONS KIT		
								X		647.1301	EC145 CABLE CUTTERS KIT		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

REFERENCE ONLY

QTY	PARTS LIST
NEXT ASSY (\$)	ORIGINAL DATE 140-DA-181 07/04/09 DRAWN BY P. ROSANO CHECKED BY D. BARKER DRAWING APPROVAL P. BRAVO 08/05/09 CONTRACT NO. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES ± .5° DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA, 92081 (760)724-5300 APICAL INDUSTRIES, INC. DBO DART AEROSPACE EC145 CABLE CUTTERS KIT REV. E SCALE NONE SHEET 1 OF 10

HOCHTIEF AG

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REFERENCE ONLY

	2	2							89	647.1703	T2 SKID DEFLECTOR ASSY		
	8	8							88	601.3812	LOCK TAB	LN9023A8-1.4544.9	
				2	2				87	647.1702	SKID DEFLECTOR ASSY		
	1	1		1	1				86	647.2113	LOWER RAIL (U CHANNEL KIT)		
				8	8				85	601.3655	WASHER	LN9025-0820K	
	8	8		8	8				84	601.3654	SCREW	LN9037-08018	
1		1	1		1				83	647.2112	UPPER U CHANNEL		
	8	8		8	8				82	601.3653	WASHER	93475A270	
	4	4		4	4				81	601.3652	LOCKNUT	93625A300	
	4	4		4	4				80	601.3651	SCREW	91292A080	
	1	1		1	1				79	647.1403	CUTTER ASSY (UPPER U CHANNEL)		
	5	5		5	5				78	601.3650	BOLT	AN3-15A	
REF	REF	REF	REF	REF	REF	REF	REF	REF	77	647.5701	GPS MOUNT KIT		
2		2	2		2	2		2	76	601.1954	SCREW	MS27039-1-17	
	2	2		2	2		2	2	75	647.2010	UPPER STRUT		
1	1	1	1	1	1	1	1	1	74	601.2045	RIV	LOCTITE 598	
1	1	1	1	1	1	1	1	1	73	600.1012	SEALANT	PR-1425 CLASS B	
1	1	1	1	1	1	1	1	1	72	600.0991	MAGNOBOND 6398 PART B		
1	1	1	1	1	1	1	1	1	71	600.0990	MAGNOBOND 6398 PART A		
4		4	4		4	4		4	70	601.3012	SCREW	MS27039-1-15	
2		2	2		2	2		2	69	601.3004	CAMLOC STUD		
2		2	2		2	2		2	68	601.3005	CAMLOC RETAINER		
2		2	2		2	2		2	67	601.3006	CAMLOC RECEPTACLE		
3 FT.		3 FT.	3 FT.		3 FT.	3 FT.		3 FT.	66	601.3011	P-SEAL		
1.1 FT.		1.1 FT.	1.1 FT.		1.1 FT.	1.1 FT.		1.1 FT.	65	601.3007	GROMMET	MS21266-2N	
2		2	2		2	2		2	64	601.3008	INSERT	NAS1834C3-300	
12		12	12		12	12		12	63	601.2364	RIVET	CR3213-4-8	
16		16	16		16	16		16	62	601.2468	RIVET	CR3213-4-7	
11		11	11		11	11		11	61	601.2991	RIVET	CR3213-4-6	
2		2	2		2	2		2	60	601.1039	RIVET	CR3213-4-2	
8		8	8		8	8		8	59	601.1183	RIVET	CR3213-4-5	
22		22	22		22	22		22	58	601.0790	RIVET	CR3213-4-3	
8		8	8		8	8		8	57	601.2995	RIVET	CR3213-6-6	
4		4	4		4	4		4	56	601.1915	RIVET	CR3213-4-4	
12		12	12		12	12		12	55	601.2207	NUTPLATE RIVET	CCR2645S-3-03	
4		4	4		4	4		4	54	601.1983	NUTPLATE RIVET	CCR2745S-3-03	
12		12	12		12	12		12	53	601.2980	NUTPLATE RIVET	CCR2645S-3-04	
12		12	12		12	12		12	52	600.0795	NUTPLATE	MS21047-3	
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

ORIGINAL DATE
P. ROSANO 07/04/09
DRAWN BY
P. ROSANO
CHECKER
D. BARKER
DRAWING APPROVAL
P. ROSANO
DATE
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

DART AEROSPACE		3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760) 724-5300	
APICAL INDUSTRIES, INC. 5501 DART AEROSPACE			
EC145 CABLE CUTTERS KIT			
SIZE B	CAGE CODE 07MA26	QTY 647.1300	REV. E
SCALE NONE		SHEET 3 OF 10	

REFERENCE ONLY

1000000000

1000000000